OLIN®
Live Now

Standard Definition

SET TOP BOX

DVBT-100B

USER MANUAL

DVB® Digital Video Broadcasting

MPEG

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GENERAL INFORMATION

This Digital Terrestrial Receiver (DTR) will take you to the new and exciting world of Digital Television. A world of crystal clear widescreen pictures, digital sound, more information and new services. All this and more on "Free to Air" Digital Television.

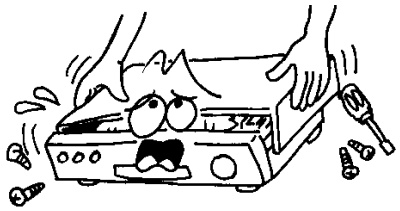
To make full use of your new DTR please take the time to familiarize yourself with the extensive features of the unit detailed in this User's Guide.

If you need help in setting up please call your dealer or a customer service adviser.

Main Features

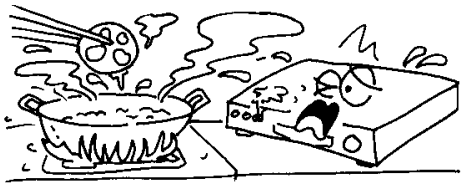
- MPEG-2 digital & DVB-T compliant
- Automatic PAL/NTSC conversion
- 1000 channels TV and Radio programmable
- 8 different favorite groups selection
- Fully support to 7 days Electronic Program Guide(EPG)
- 256 colors On Screen Display
- Channel search in automatic and manual search
- Various channel editing functions(favorite, move, lock, skip, delete, find, rename and sort)
- Parental control for channels
- Easy to use Menu System
- Support subtitle and teletext
- Automatic save for last channel
- Support Logic Channel Number(LCN)
- Built-in games
- Plays Image & Music from USB Devices

For Your Safety

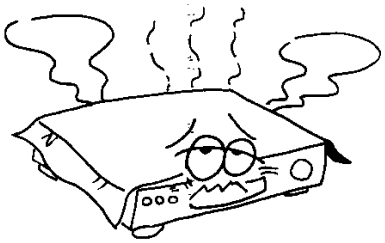


- To avoid electric-shock hazards, do not open the cabinet, refer servicing to qualified personnel only.

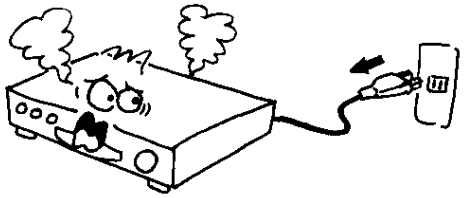
- Keep the receiver away from flower vases, tubs, sinks, etc., in order to avoid damaging the equipment.



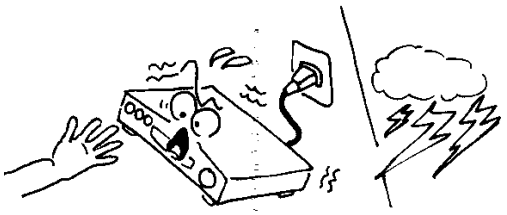
- Do not expose the receiver un-der the sunlight. And keep it away from the heat source.



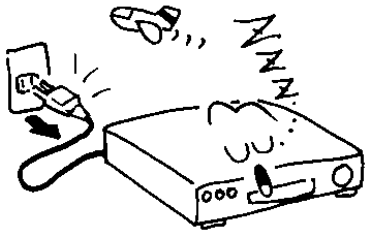
- Do not block ventilation holes of the Receiver so that air can circulate freely.



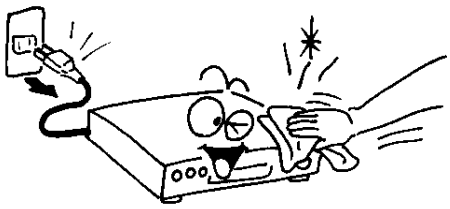
- When the abnormal phenomenon occur, you should cut off the power immediately.



- Do not touch the receiver during thunder, since that might create electric-shock hazards.



- Switch the receiver off whenever it remains out of service for an extended period.



- Be sure to turn the Receiver off and disconnect the AC power cord before cleaning the Receiver surface. If the surface is dirty, wipe clean with a cloth which has been dipped in a weak soap-and-water solution and wrung out thoroughly, and then wipe again with a dry cloth.

GENERAL INFORMATION

Unpacking(Optional)

- Remote Control

- Batteries

- User Manual

General Operation

- Throughout this manual you will notice that the everyday operation of the receiver is based on a series of user friendly on screen display and menus. These menus will help you get the most from your receiver, guiding you through installation, channel organizing, viewing and many other functions.

- All functions can be carried out using the buttons on the RCU, and some of the functions can also be carried out using the buttons on the front panel.

- The receiver is easy to use, always at your command and adaptable for future advances.

- Please be aware that new software may change the functionality of the receiver.

- Should you experience any difficulties with the operation of your receiver, please consult the relevant section of this manual, including the Problem Shooting, or alternatively call your dealer or a customer service adviser.

GENERAL INFORMATION

RCU

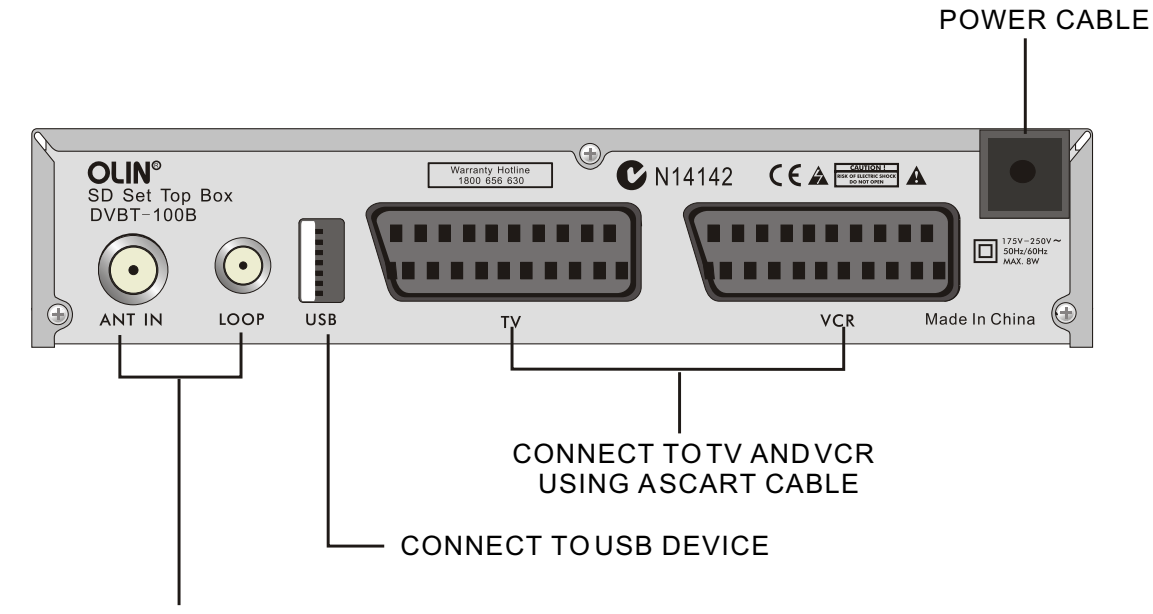
Key	Function
⏻	Switches Receiver between ON and Standby
🔇	Mutes the sound or audio temporarily
0~9	number of the required menu item or select a channel number to watch
TV/RADIO	Switches between TV and Radio modes
← PR	Selects previous channel
FAV	Displays favorite Channel group list
⊟	Switches to Subtitle mode
INFO	Displays current channel information
MENU	Press once to show the MENU window
▲ ▼	Page up or down in TV channel list
OK, LIST	Executes the selected item on screen or enters a desired value in any input mode
PR+	switch to the next channel in viewing mode; or move up the cursor in OK List (which will switch to the previous channel)
PR-	switch to the previous channel in viewing mode; or move down the cursor in OK List (which will switch to the next channel)
− +	Adjust sound volume or select left or right menu item in viewing mode
EXIT	Return to the previous menu item or escape menu function
EPG	Call up the EPG (Electronic Program Guide)
L R	Switch audio mode between Stereo, Left, Right
TXT	Engages Teletext mode (subject to channel broadcasting in each region)
ASPECT	Switch between Full, Letterbox and Zoom (when TV Type is 4:3) mode
PAUSE	Press once to Freeze picture or vision, press again to release to normal mode
SLEEP	Switches to sleep mode
SIGNAL BAR	Shows signal quality and strength bars
⊞	Engages nine-picture Mosaic mode on screen
AUDIO	Change audio languages

- The picture is only for reference, please make the object as the standard.

GENERAL INFORMATION

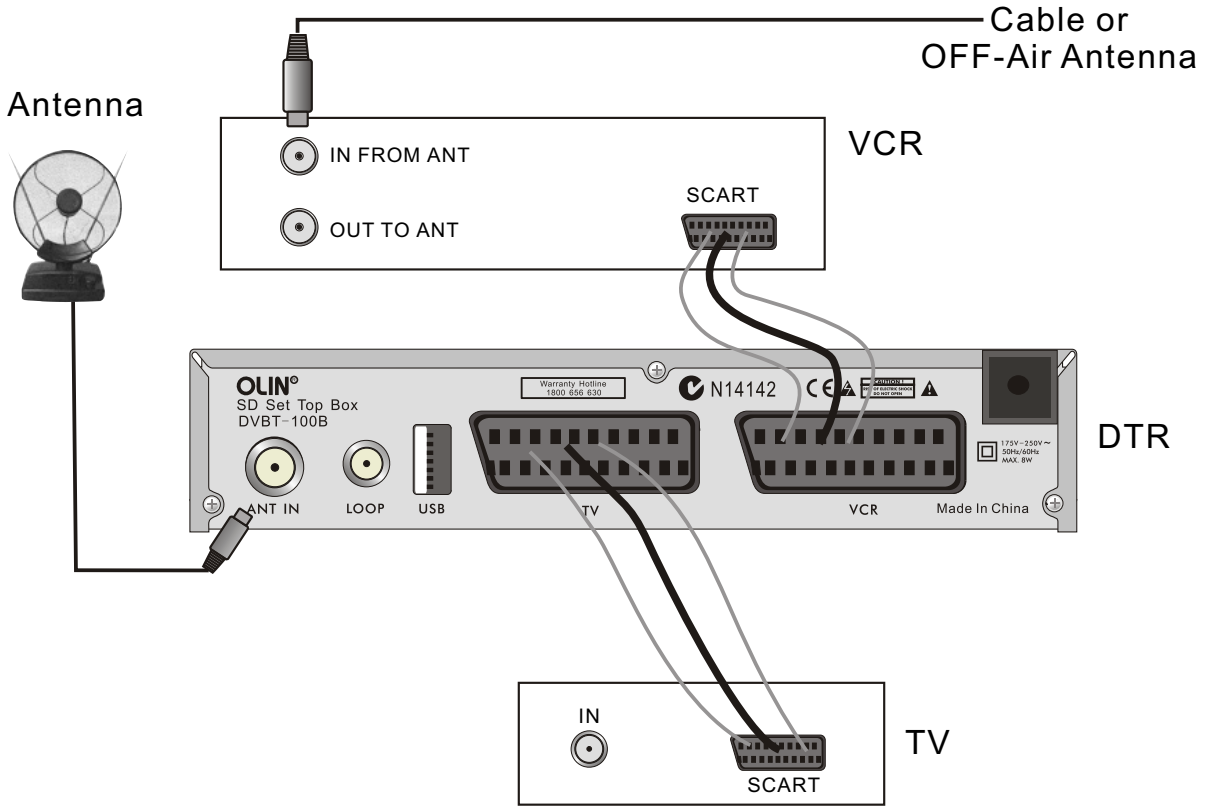
Front Panel

Rear Panel

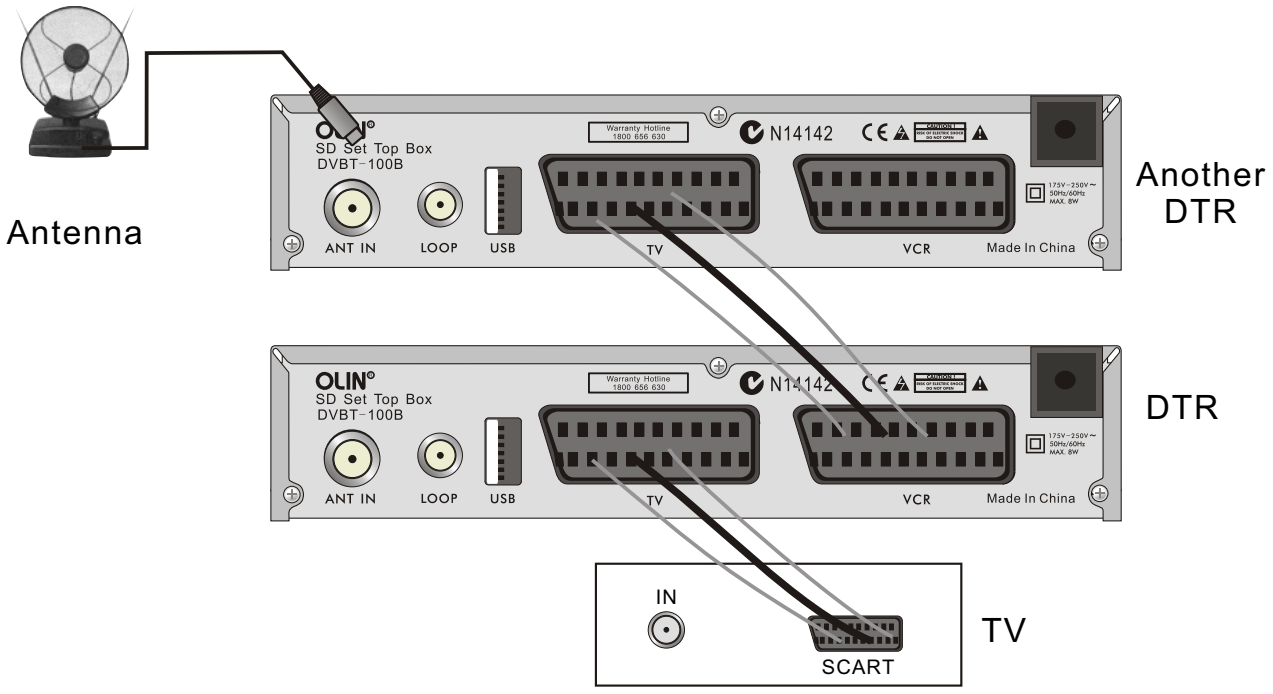


- The picture is only for reference, please make the object as the standard.

Connecting to TV using SCART support



Connecting to another DTR



- The picture is only for reference, please make the object as the standard.

WELCOME PAGE

- When power on first time, it will show welcome page like below.

- Press PR+,PR- keys to move highlight to select **Antenna Setting, Country Setting, OSD Language, Audio Language, Subtitle Language, LCN, GMT usage, Time Zone, Set Date and Set Time**.

  Press VOL- VOL+ keys to move highlight to choose your choice.

- Press red key to enter "Auto Scan" menu, and press green key to enter "Manual Scan".

- Press [EXIT] key to exit this menu.

MAIN MENU

When you press **[MENU]** key, you can enter **Main Menu**.

This menu consists of 6 major sub-menus as below.

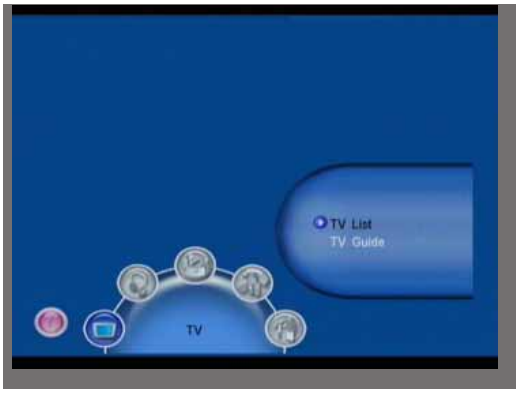
-TV
-RADIO
-MULTIMEDIA
-GAME
-SETUP

1. TV

This menu has two sub-menus:

-TV List
-TV Guide

Remark: This is a Standard Digital STB, therefore it does not support the HDTV channel broadcasting.



1.1 TV List

When you enter "TV List" menu you can move highlight by pressing [**Up/Down**] key and preview the highlighted program in preview window beside the channel list.

You can press [**Page Up/Page Down**] key to implement the Page up or Page down function.

You can press [OK] key to enter full screen mode.

Pressing ⊿⁻ ⊿⁺ keys to carry out the corresponding functions that shows you at the bottom of the screen.

1.1.1 Favorites

Pressing ⊿⁻ ⊿⁺ keys to select the favorites button, and then press **PR+,PR-** keys to select the program you like, after that press number key 1-8 on RCU to assign the selected channel, press yellow key to save, or press [EXIT] key to cancel the operation.

1.1.2 Lock

Pressing keys to select the Lock button, and then press PR+,PR- keys to select the program you want, press OK key on RCU to assign the selected channel with lock mark, the mark will be disappeared if you press OK key again, or press [EXIT] key to cancel the operation.

1.1.3 Edit

Pressing keys to select the Edit button, press OK key to enter the window as besides, press OK key to edit the program name , after that you can press OK key to save and press EXIT key to quit, then press red key to save finally and exit.

1.1.4 Move

Pressing OK key there will be a moving mark on the right of the selected channel. Then , you can move the selected channel to the position where you want to place it by press [Up /Down] key . And press [OK] key to confirm your decision .

1.1.5 Sort

Name (A -Z) : The ascending order , omitting the $ character , the number is ahead , then the capital letter , at last the lowercase .
Name (Z -A) : The opposite order of the above Name (A -Z) .
Free -Pay : All FTA programs are listed ahead , while all scrambled programs are listed last .

1.1.6 Invisible

Pressing keys to select the Invisible button, and then press **PR+,PR-** keys to select the program you want, press OK key on RCU to assign the selected channel with skip mark. The mark will disappear if you press OK key again or press [EXIT] key to cancel the operation.

1.1.7 Delete

Pressing keys to select the **Delete** button, and then press **PR+,PR-** keys to select the program you want to delete, press OK key on RCU to assign the selected channel with deleted mark. The delete mark will disappear if you press [OK] key again. Press **yellow** key to confirm your decision or **[EXIT]** key to cancel the operation.

Press green key to select all programs and assigned them with delete mark, then press yellow key to delete all programs.

1.1.8 Search

Pressing keys to select the **Search** button, press OK key to enter the window as besides.

press green colour key to switch between capital letter and lower letter; press red colour key to delete the character on the cursor; press [Right/Left] keys to move the cursor left or right; press **numeric keys (0-9**) to input the character.

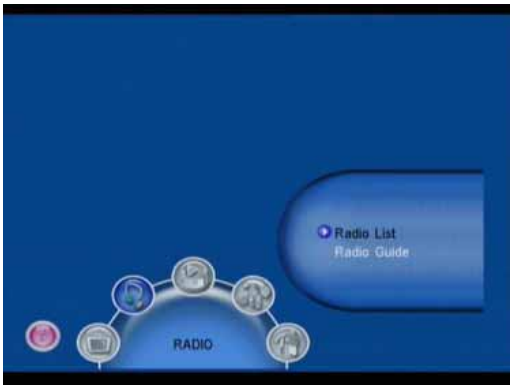
1.2 TV Guide

TV Guide equals to one electronic program guide, from which you can look up all the programs in a week. The contents shown in this window are provided by the front-end operator. In main menu, move cursor to **TV Guide** item and press **OK** key to enter into this window directly.

Move **PR+,PR-** keys to select the desired channel in TV channel list. The recent one week's (7 days) program guides of selected channel are displayed on the bottom column. Up-right PIG is displaying the selected program, press **OK** key to view in full-screen.

Press key to switch from the channel list column to the channel guide list column, and press EXIT key to return to the channel list. In the booking list, press the **PR+,PR-** keys to select from Monday to Sunday. Press OK key to view the detail of selected program. Press red key to book the program.

2. RADIO



- This menu has two sub-menus:

-Radio List
-Radio Guide

2.1 Radio List

The operation is the same as **1.1 TV List**.

2.2 Radio Guide

The operation is the same as **1.2 TV Guide**.

3. MULTIMEDIA

- This menu has two sub-menus:

-My Album
-My Music

3.1 My Album

When you enter **My Album**, the screen will display as beside.

Press **PR+,PR-** keys to rotate the picture, press ⊟ ⊞ keys to view the next or previous picture, press OK key to view the picture in slide mode.

Red key: Press to switch among 25%, 50%, 100%, 150% and 200%.
Green key: Press to play the music.
Yellow key: Press to mirror image in horizontal location.
Blue key: Press to mirror image in vertical mode.

3.2 My Music

When you enter **My Music**, the screen will display as beside.

You can press **PR+,PR-** keys to move the cursor and choose, press ⊟ ⊞ keys to control the volume, and press OK key to select and play the music.
Red key: Press it once to suspend, press it again to continue playing.
Yellow key: Press it to select the playing mode among repeat all, repeating random and repeat off.
Blue key: Fast Forward.
Green key: Stop playing the music.

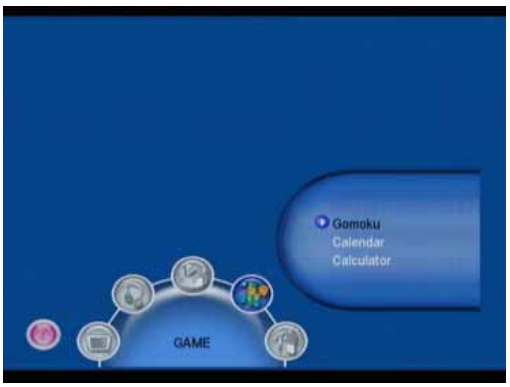
Press EXIT key to quit.

4. GAME

When you enter GAME menu like beside you will find the receiver provides a game for you to play.

- This menu has three sub-menus:

-Gomoku
-Calendar
-Calculator



4. 1 Gomoku

Choose Gomoku and press [OK] key to enter.

Then you can play the game which you have chosen according to the clues on the screen.

4. 2 Calendar

When you enter **Calendar** menu, the screen will display as beside.

Press **PR+,PR-** key to select month, and press [Right/Left] key to select year.

Press EXIT key to exit.

4.3 Calculator

When you enter **Calculator** menu, the screen will display as beside.

Red key: Plus
Blue key: Divide
Yellow key: Multiplication
Green key: minus

Press **PR+,PR-,** keys to move the cursor and select the button on calculator.
Press **OK** to see the calculation.
Press **EXIT** key to exit.

5. SETUP

- This menu has six sub-menus:

-Installation
-TV Setup
-Password
-Advance Timer
-SW Update
-Set Default

5.1 Installation

In this menu, use PR+, PR- keys to highlight the setting you want to change and press Volume+/- keys to select the option of highlighted setting.

5.2 TV Setup

When you enter **TV Setup**, you will see the screen as beside.

1) TV Format: TV Format is used for switching the screen aspect ratio mode. Now we provide several options: 4:3LB/4:3PS/16:9LB/16:9FIT. You can press $\overline{\triangle}$ $\overline{\triangle}^{+}$ keys to select each mode circularly.

2) TV Mode: TV Mode is used for select the screen-displaying mode. Now we provide three mode: Auto, PAL and NTSC. You can press $\overline{\triangle}$ $\overline{\triangle}^{+}$ keys to select each mode .

3) OSD Transparency: You can set the transparency of all the menus. Press $\overline{\triangle}$ $\overline{\triangle}^{+}$ keys to select the values. There are eight levels of the transparency, The lowest value 1 means the most transparent, the highest value 8 means opacity.

4) Banner Display Time: When you adjust volume, Banner time can also adjust the time for the volume bar appearing on the screen. When you switch the channels, Banner time can adjust the time for the program information appearing on the screen. These two items for adjustment can reduce the disturbance of the menu overlaying while watching programs, and let you feel more convenient to watch TV.

5) Video Output: Video Output is used for switching the video output mode. Now we provide two modes: CVBS+RGB and CVBS+S-Video. You can press $\overline{\triangle}$ $\overline{\triangle}^{+}$ keys to choose.

5.3 Password

When you enter the **Password** menu, the screen will display as beside.

In this menu, you can press **PR+,PR-** keys to select sub-menus and press **OK** key to enter the menu which is chosen.

1)Setup Menu Lock: Menu Lock determining that when user wish to enter **SETUP** menu, whether have to input Password or not.

If the setting of Menu Lock is ON which means user have to input password, set OFF means unlock. The default password is 0000.

2) Channel Edit Lock: Channel Edit Lock can set the channel which user want to lock.

3) Parents Lock: You can set the parent lock in this menu. You can select among No block, Total Block, 02 to 18.

4) Change Password: When you select **YES**, it will pop up a window asking you to enter the old password. After input the correct password it will pop up a window asking you to enter the new password. When you enter 4 numbers, the system will ask for Confirm Password automatically. You should enter the password again to confirm it.

5.4 Advance Timer

When you enter the **Advance Timer** menu, the screen will display as beside

Press **PR+,PR-** keys to select the events in this window, and press **EXIT** key to exit.

Press red key to enter the edit window, Press **PR+,PR-** keys to select sub-menus, and press ◅ ▻ keys to move highlight to choose your choice.

Press green key it will pop up a window as beside. If you choose **Yes**, the event you selected will be deleted, if you select **EXIT**, you will quit without delete the event.

5.5 SW Update

This function is in-built for the use of qualified technician or vendor's customer service in events of firmware upgrading or restoration.

Users are not recommended to upgrade the firmware by themselves as inappropriate operation may result in malfunction of the STB.

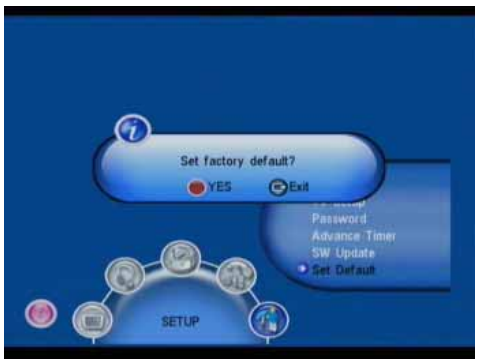
Please consult with qualified person or call the help hotline.

5.6 Set Default

When you choose the option of **Set Default** and press [OK] key, there will be a dialogue ask you: **Set factory default?** You will see a screen like beside.

If you choose **Yes**, all the parameters of this receiver will reset to the default value.

Note: Please use this function carefully.



6. Hot Key

6.1 Number

Use the **numeric keys (0-9)** to input the number of the desired channel. If the inputted number is beyond the valid channel number, system will "Invalid number" and press **OK** key to close this message.

6.2 TV/RADIO

In normal mode, press **TV/RADIO** key to switch between TV mode and Radio mode.

6.3 Up/Down (Channel Change)

Press **PR+, PR-** keys to change the channel up or down.

6.4 Left/Righ (Volume+/-)

Press keys to change the volume. Press keys to decrease the volume by step 1, while press keys to add the volume by step 1.

6.5 Mute

Press key to close the volume. You can press key once again to restore the volume, or press keys to open the volume.

6.6 Pause

During the viewing, you can press **PAUSE** key to stop the picture while the volume continues. You can play the picture by pressing **PAUSE** key once again.

6.7 Teletext

Press TXT/ keys to open the teletext and subtitle window on the screen.

*Teletext availability is subject to channel broadcasting in each region.

6.8 OK

1. During the viewing or listening, press **OK** key to pop up the TV program list or the Radio program list.
2. Press **PR+, PR-** keys to select the channel up or down, and then press **OK** key to play this channel in full-screen.
3. Press keys to select the page.
4. Press **MENU** or **EXIT** key to close this window.

6.9 Audio

1. Press keys to enter into the Audio window.
2. Press keys to select sound mode among LL, RR and LR.
3. Press MENU or EXIT key to close this window.

6.10 Recall

Press ←PR key to switch the current channel to the previous channel.

6.11 Info

Press INFO key to calls up the into bar.

6.12 FAV

1. Press **FAV** key to pop up the program group window.
2. Press ▽ △ keys to select the favorite group. Press **PR+, PR-** keys to select the channel up or down. Press **OK** key at the selected channel to view it in full-screen. Press **MENU** or **EXIT** key to exit.
3. Press yellow key to enter into favorite group window.
4. If there is no favorite channel, the FAV and Channel button at the bottom of the window will disappeared.

6.13 Multi-picture

Press ⊞ to multi-picture on the screen.
If you want to select channel, use the PR+、PR-, ▽ △ key on the RCU to select a cell and press ok key to enter.

6.14 EPG

Press EPG key on RCU it will pop up the EPG window on the screen as beside. You can know information of the program in the down- right window, and the channel list is in left window. Press ▽ △ to switch between left and right windows. Press EXIT key to close this window.

6.15 SLEEP

Press SLEEP key at the bottom of RCU, a “SLEEP OFF” bar will appear at the top of the screen. Before the bar disappear, press “Volume UP/DOWN” keys to set the sleep timer.

TROUBLE SHOOTING

Problem	Possible causes	What to do
The display on the front panel does not light up.	Main cable is not connected.	Check that the main cable is plugged into the power socket.
No sound or picture, but the front panel shows red light.	The receiver is in standby mode.	Press the standby button.
No sound or picture.	No signal or weak signal.	Check the cable connections, antenna and other equipment connected between the antenna and the receiver.
Bad picture / blocking error.	Signal is too strong.	Connect a signal attenuator to the antenna input.
	Antenna noise factor too high.	Change to an antenna with lower noise factor.
	The antenna is faulty.	Change the antenna.
The picture is not displayed on the screen, when switching on.	The system is connected by RF leads.	Check the UHF channel fixed in your system and tune the UHF channel properly.
There is interference on your terrestrial program or video signal.	The system is connected by RF leads and the output program of the receiver interferes with an existing terrestrial programs or Video signal.	Change the receiver output program to a more suitable program, or connect the system by SCART leads.
The RCU is not working.	Battery exhausted.	Change the batteries.
	RCU is incorrectly aimed.	Aim RCU at the receiver, or check that nothing blocks the front panel.

- **Note :** If you have tried all of the actions suggested above, but the problem persists, please contact your local dealer or a customer service representative.

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